



## Amherst County and the Town of Amherst

### Water Source Overview

Major sources include the James River, Harris Creek, Graham Creek Reservoir, and groundwater wells.

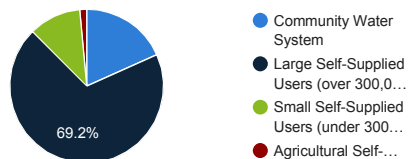
**\*Table 1:** Reported (2010) and projected (2040) water use by system type for Amherst County in MGD

Type	Reported Use 2010 MGD	Projected Use 2040 MGD
Community Water System	1.720	3.239
Large Self-Supplied Users (over 300,000 gal/month)	6.506	23.980
Small Self-Supplied Users (under 300,000 gal/month)	1.034	3.810
Agricultural Self-Supplied Users	0.138	0.138

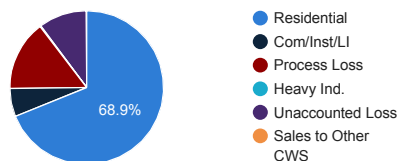
### Water Use by System Type

Approximately 13,744 people use private groundwater wells for residential water supply. All tables and graphs represent reported water use including Sales to other localities, if applicable.

**\*Figure 1:** Percentage of reported water use by system type in 2010 (No use data shown on graph if less than .01 MGD: Refer to Table 1)



**\*Figure 2:** Disaggregated water use percentages for Community Water Systems in 2010 (No graph shown if no disaggregated use data reported)



**\*Table 2:** Reported (2010) and projected (2040) groundwater and surface water use for Amherst County in MGD

Reported 2010 Groundwater Use (MGD)	Reported 2010 Surface Water Use (MGD)	Projected 2040 Groundwater Use (MGD)	Projected 2040 Surface Water Use (MGD)
1.14	8.26	3.95	27.22

**\*Figure 3:** Amherst County highlighted in the Commonwealth of Virginia



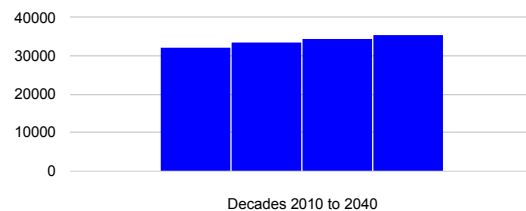
### Projected Water Demand

Population and demand are projected to increase through the planning period. The County may experience a deficit of 0.019 MGD in 2019. To meet future demands, the County plans an expansion of the Lanum Water Filtration Plant and is considering the replacement of interconnecting mains with the City of Lynchburg.

**\*Table 3:** Amherst County population projections by decade from 2010 to 2040 (data gathered from VEC projections - 05/20/13)

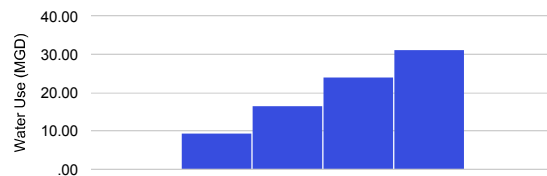
2010	2020	2030	2040	% Change (2010-2040)
32,353	33,353	34,386	35,340	9.4%

**\*Figure 4:** Amherst County population projections by decade for 2010, 2020, 2030 & 2040



**\*Table 4 & Figure 5:** Amherst County water demand trends by decade for 2010, 2020, 2030 & 2040 in MGD

Reported Use 2010 MGD	Projected Use 2020 MGD	Projected Use 2030 MGD	Projected Use 2040 MGD	Percent Change (2010-2040)
9.40	16.65	23.91	31.17	231.6%



### Drought Management Practices

The County and Town adopted ordinances for the implementation and enforcement of the Drought Response and Contingency Plan. [Region 2000 Regional WSP]